

**EXECUTIVE OFFICE OF THE PRESIDENT  
BUREAU OF THE BUDGET  
WASHINGTON 25, D. C.**

October 10, 1958

**CIRCULAR NO. A-16  
Transmittal Memorandum No. 2**

**TO THE HEADS OF EXECUTIVE DEPARTMENTS AND ESTABLISHMENTS**

**SUBJECT: Programing and coordination of geodetic control surveys**

This Transmittal Memorandum promulgates, as Exhibit C to Circular No. A-16 of January 16, 1953, procedures for the programing and coordination of geodetic control surveys to meet the requirements of Federal agencies. The Exhibit is concerned with the national geodetic control surveying program in the United States, and in its territories and possessions. This program consists of establishing permanent monuments and determining their latitude and longitude positions and elevation above sea level. The Coast and Geodetic Survey of the Department of Commerce is authorized under law to conduct all phases of geodetic surveying and related computations in the areas covered by this Exhibit.

**ROGER W. JONES  
Acting Director**

Attachment

**\*OMB Declassification&Release Instructions On File - No Referral To OMB\***

EXHIBIT C  
CIRCULAR NO. A-16

A. Purpose and scope. It is the purpose of this Exhibit to provide for the integration of all geodetic control surveys into a unified national system and to prevent duplication of effort. The scope of the Exhibit is limited to the types of control surveys which are needed to establish the basic national network of geodetic control and which are executed by first- and second-order methods in accordance with "Classification and Standards of Accuracy of Geodetic Control Surveys", approved by the Bureau of the Budget.

B. Status of geodetic control surveys. Maps shall be prepared annually by the Coast and Geodetic Survey showing the status of its geodetic control activities in the United States and in its territories and possessions. Such maps will show separately the status of horizontal control (latitude and longitude positions) and vertical control (elevations) of first- and second-order classification. No distinction will be made, however, as to whether the control is of first- or second-order. The maps will show, as of January 1 of each year, the areas in which geodetic control work has been completed and those in which work is in progress. Copies of these status maps will be submitted to the Bureau of the Budget by January 2 of each year, and the Bureau of the Budget will forward copies to the Federal agencies which require geodetic control for their use in preparing their annual requirement maps.

C. Requirements for geodetic control.

1. Requirement statements. Each Federal agency, including the Coast and Geodetic Survey, having requirements for geodetic control will prepare annually a statement of its geodetic control needs. These requirement statements will be submitted to the Bureau of the Budget by May 15 of each year. A separate statement should be submitted for each control-using organizational unit in a department or establishment.

Each statement shall consist of (a) a set of maps on transparent bases, procurable from the Bureau of the Budget, showing separately the areas in which horizontal and vertical control are needed during the second succeeding fiscal year, and (b) supporting text material. The supporting text material shall indicate the purpose for which the control is needed and the desired spacing of triangulation stations and leveling lines.

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2. Instructions applicable to requirement maps. In addition to the areas in which control will be required during the second succeeding fiscal year, the requirement maps should also show the areas in which control was requested the previous year, if the agency still has need for such control. Areas in which horizontal control is needed should be shown on the requirement maps in solid color (GSA-53P29310-carminé). Vertical control needs should be shown by black lines.

The title of each requirement map should appear as follows:

(Name of department or establishment)

(Name of organizational unit)

REQUIREMENTS FOR

HORIZONTAL (OR VERTICAL) CONTROL

(Month and year in which submitted)

D. Programing geodetic control surveys

1. Basis for programing. The maps showing the geodetic control requirements of the Federal agencies, and the attendant statements of justification, together with all available information about the needs of State, municipal and private agencies, will serve as the basis for preparation by the Coast and Geodetic Survey of its annual programs of first- and second-order geodetic control surveys. The criteria stated in "Classification and Standards of Accuracy of Geodetic Control Surveys" shall be used by the Survey in the preparation of the programs.
2. Preliminary program. The preliminary program, consisting of a set of maps on transparent bases, will be submitted to the Bureau of the Budget by June 15 of each year. These maps will show the areas within continental United States, and within the territories and possessions, in which the Coast and Geodetic Survey proposes to conduct control survey activities during the second succeeding fiscal year. The programs for horizontal and vertical control will be shown on separate maps. After review by the Bureau of the Budget, the maps will be returned to the Coast and Geodetic Survey for further use in preparing its final program.

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3. Final program. The final annual program shall be prepared, after consultation with the control-using agencies, within the financial limitations established for the Coast and Geodetic Survey by its Department, and anticipated from other sources for the fiscal year referred to in paragraph 2 above. It may be prepared by correcting the maps submitted on June 15. The final program maps shall be submitted to the Bureau of the Budget by September 15 of each year as part of the justification for the Coast and Geodetic Survey's budget estimate.
4. Instructions applicable to program maps. Programed horizontal control surveys will be shown by geometrical figures, and vertical control by lines. New work to be started will be shown by dash lines; control already in progress which should be completed during the programed fiscal year will be shown by solid lines. The title and legend for the maps shall appear as follows:

DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

HORIZONTAL (OR VERTICAL) CONTROL SURVEY PROGRAM  
for fiscal year 19\_\_

Preliminary program ..... Submitted June 15, 19\_\_

Final program ..... Submitted Sept. 15, 19\_\_

☐ New work to be started.

☐ Work to be continued or completed.

E. Schedules of operations

1. Preliminary schedules of operations. A set of maps on transparent bases showing separately the areas in which the Coast and Geodetic Survey proposes to conduct horizontal and vertical control operations during the current fiscal year from funds appropriated by Congress, or otherwise made available, is to be prepared by July 15 of each year. These maps should conform with the program maps submitted with the budget estimates of the previous year, except for appropriate changes in the titles and necessary adjustments to comply with the funds appropriated.

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Copies of the preliminary schedules of operation maps are to be forwarded by the Coast and Geodetic Survey, through Departmental liaison representatives, to the control-using agencies for comment. The comments of the control-using agencies will be made available to the Coast and Geodetic Survey by the Departmental liaison representatives by August 5 of each year.

2. Final schedules of operations. The Coast and Geodetic Survey, after giving appropriate consideration to the comments received from the control-using agencies, will prepare its final schedule of operation maps for controlling operations during the current year. These schedules of operations are to be submitted to the Bureau of the Budget by August 15 of each year. Advance notification will be provided the Bureau of the Budget for any significant variation in the final schedules that may develop.

SUMMARY LIST OF  
GEODETTIC CONTROL SURVEY REPORTS

<u>Date due</u>	<u>Report</u>	<u>Section</u>
January 2	Status report Prepared annually by Coast and Geodetic Survey	B
May 15	Requirement statements Prepared by agencies requiring geodetic control	C-1
June 15	Preliminary program Prepared by Coast and Geodetic Survey	D-2
July 15	Preliminary schedule of operations Prepared by Coast and Geodetic Survey	E-1
August 15	Final schedule of operations Prepared by Coast and Geodetic Survey	E-2
September 15	Final program Prepared by Coast and Geodetic Survey	D-3